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Solar-Terrestrial Data
19 Oct 2024 1710 GMT
SFI: 165 SN: 111
A-Index: 14
K-Index: 3
X-Ray: C1.4
304A: 149.2 @ SEM
Ptn Flx: 14
EIC Flx: 1850
Aurora: 3/n=1.99
Mag (Bz): -0.2
Solar Wind: 430.9
Geomag Field UNSETTLED
Sig Noise Lvl S2-53
Current Solar Image

<http://www.n0nbh.com>
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The Eastern Iowa DX Bulletin

Number 244, October 18, 2024

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Ohio-Penn DX Bulletin (OPDX)

Edited by Tedd Mirigliotta, KB8NW. Although OPDX is no longer published as a weekly bulletin, Tedd still sends DX news emails.

We will occasionally publish some of them.

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

Dr. Tony Phillips' SpaceWeather.com, used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)

DX News

3B9, RODRIGUES I. Kazu, MØCFW is QRV as **3B9/MØCFW** until November 27th. Activity is on the HF bands. He will be active as **3B9KW** in the upcoming CQ WW DX SSB Contest (October 26th-27th), and the CQ WW DX CW Contest (November 23rd-24th). QSL via LoTW.

-[ARRL DX Bulletin # 39 October 17, 2024] (1018-1129)

3D2/R, ROTUMA I. Antoine, 3D2AG, will leave for Rotuma on October 19th for a research trip lasting **three to four weeks** (depending on the timing of the return boat in November). In his spare time, he will

operate mostly CW and SSB as **3D2AG/p** on 160-6 meters, with a focus on the higher bands. He hopes to complete the setup and be **on the air by October 25th**, so that he can participate in the CQ WW DX SSB Contest (October 26th-27th). Please note that while on the island he will not have access to the Internet, and that for CW he will use a manual iambic paddle and paper logs, which will be digitized after the trip. QSL via [ClubLog's OQRS](#) and LoTW.

-[425DXN # 1746 October 19, 2024] (1018-1115)

3D2/R, ROTUMA I. Members of the Rebel DX Group are QRV as **3D2V** and **3D22 until October 30th**. Activity is on 160 to 10 meters using primarily FT8 in the SuperFox and MSHV modes. QSL via [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 37 October 3, 2024] (1004-1101)

5H, TANZANIA. Maurizio, IK2GZU will be active again as **5H3MB** from Tanzania from **October 10th to November 11th**, while doing volunteer work at a local school. In his spare time, he will operate SSB, CW and digital modes on 80-10 meters. QSL via [ClubLog's OQRS](#), LoTW and eQSL, or via [IK2GZU](#).

-[425DXN # 1741 September 14, 2024] (1004-1115)

5R, MADAGASCAR. Janusz, SP9FIH as **5R8WE** and Leszek, SP6CIK as **5R8CI** will be active from Nosy Be (AF-057), Madagascar from **October 23rd to November 6th**. They will operate CW, SSB and FT8 (also SuperFox for 5R8CI) on 40-10 meters with two stations and a focus on 12 and 10 meters. QSLs via [ClubLog's OQRS](#).

-[425DXN # 1743 September 28, 2024] (1018-1108)

5R, MADAGASCAR. Eric, F6ICX will be active again as **5R8IC** from Sainte-Marie Island (AF-090), Madagascar from **October until the end of the year**. He will operate mainly CW on 40-10 meters; during the last two weeks of December he will also be QRV on the QO-100 satellite. QSL via LoTW, [ClubLog's OQRS](#), or via [F6ICX](#).

-[425DXN # 1742 September 21, 2024] (0927-0103)

5V, TOGO. Antonio, IK7WUL, has moved from Benin (TY2AA) to Togo and will be active as **5VØDX** during his spare time, mostly on SSB. The duration of his stay is unknown at present. QSL via [IK7WUL](#).

-[DXNL # 2427 October 9, 2024] (1011-1101)

7P, LESOTHO. Bernie, ZS4TX and John, ZS6JON will be activating Lesotho on 70 cm EME using the callsign **7P8Z** from grid KG30. "We will do two moon passes", Dennis says, "starting **Friday October 18th at 1800 UTC (moonrise) and ending Sunday October 20th at 0500 UTC (moonset)**. Also included are some Satellite passes - we will work the ISS (if available), RS-44 and SO-50". QSL via [PA3CMC](#) and LoTW.

-[425DXN # 1745 October 12, 2024] (1018-1025)

7Q, MALAWI. Vasco 7Q7CT, Jorge CT1BOL, Vasco D2ACE and Fran EC7R will be active as **7Q1** (just Seven Quebec One) from Lilongwe, Malawi from **October 23rd to November 2nd**, including an entry in the CQ WW DX SSB Contest (October 26th-27th). QSL via [EA7FTR](#).

-[425DXN # 1745 October 12, 2024] (1018-1101)

8R, GUYANA. Aldir, PY1SAD will be active as **8R1TM** from Georgetown, Guyana from **October 12th to November 24th**. He will operate CW, SSB and digital modes on all bands and via satellite. QSL via LoTW, eQSL, QRZ Logbook, or direct to [PY1SAD](#).

-[425DXN # 1743 September 28, 2024] (1011-1129)

9M6, EAST MALAYSIA. Saty, JE1JKL will be active again as **9M6NA** from Labuan Island (OC-133), East Malaysia from **October 23rd to November 25th**. He will participate in the CQ WW DX SSB Contest (October 26th-27th) (SOAB LP) and the CQ WW DX CW Contest (November 23rd-24th) (SOAB HP). QSL via LoTW and [ClubLog's OQRS](#).

-[425DXN # 1745 October 12, 2024] (1018-1129)

9X, RWANDA. Harald, DF2WO will be QRV as **9X2AW** from Kigali from **October 9th to 23rd**. Activity will be on the HF bands and 6 meters. He will also have equipment for Satellite QO-100. QSL via

MØOXO's OQRS.

-[ARRL DX Bulletin # 37 October 3, 2024] (1004-1025)

C2, NAURU. A large German team (DG2RON, DJ5IW, DJ7TO, DJ9KH, DK3CG, DK5WL, DL1KWK, DL2RNS, DL4SVA, DL6KAC, DL6KVA, DL7JOM, DL7VEE and DL8LAS) will be active as **C21MM** from Nauru (OC-031) on **October 11th to 27th**: six team members will arrive on October 11th, the rest of the team will arrive on October 14th for another 12 days. Plans are to operate CW, SSB, FT8 and RTTY on 160-6 meters with five stations. On FT8 they will be using MSHV multi-stream, but "there is a possibility for using SuperFox-WSJT-X too". More information, QSL policy included, can be found on <https://c21mm.mydx.de/>. QSL via [ClubLog's OQRS](#) (preferred), or via [DL4SVA](#).

-[425DXN # 1735 August 3, 2024] (1011-1101)

C9, MOZAMBIQUE. Gus CX2AM, Bert CX3AN and Rainer CX8FB will be active as **C91BV** from Mozambique on **October 17th-24th**. They will operate CW and SSB with two stations on 40-6 meters. QSL via [EB7DX](#).

-[425DXN # 1737 August 17, 2024] (1011-1025)

CE9, ANTARCTICA. David, F4FKT, operates as **FT4YM** from Dumont d'Urville Base on Petrel Island **until March 2025** and as **FT4YM/p** from the bases Concordia, Little Dome C, and Cape Prud'homme. QSL via [F4FKT](#) or [F5PFP](#).

-[DXNL # 2427 October 9, 2024] (1011-1101)

D4, CAPE VERDE. Claudio, HB9OAU will be QRV as **D44OA** from Sal Island (AF-086) from **October 24th to November 5th**. Activity will be holiday style on 40 to 6 meters using CW and SSB. This includes being an entry in the upcoming CQ WW DX SSB contest (October 26th-27th). QSL via LoTW.

-[ARRL DX Bulletin # 39 October 17, 2024] (1018-1108)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of October 16, 2024:

1. P5	DPRK (North Korea)	11. ZS8	Prince Edward & Marion Islands
2. BS7H	Scarborough Reef	12. KH4	Midway Island
3. CEØX	San Felix Islands	13. VKØM	Macquarie Island
4. BV9P	Pratas Island	14. PYØS	Saint Peter And Paul Rocks
5. KH7K	Kure Island	15. KP5	Desecheo Island
6. KH3	Johnston Island	16. VPØS	South Sandwich Islands
7. 3Y/P	Peter 1 Island	17. ZL9	New Zealand Subantarctic Islands
8. FT5/X	Kerguelen Island	18. FK/C	Chesterfield Islands
9. YVØ	Aves Island	19. VKØH	Heard Island
10. 3Y/B	Bouvet Island	20. FT/T	Tromelin Island

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF October 18, 2024] (1018-1108)

E6, NIUE. Jacek, SP5EAQ will be QRV as **E6AQ** from **October 22nd to November 9th**. This includes being an entry in the upcoming CQ WW DX SSB contest (October 26th-27th). QSL via [SP7DQR](#).

-[ARRL DX Bulletin # 39 October 17, 2024] (1018-1108)

EA, SPAIN. Markus, DJ4EL will be active as **EA5/DJ4EL** from the islands of Benidorm, Escombreras and Tabarca (all part of IOTA group EU-093) on **October 17th-25th**. Updates will be posted to <https://x.com/rapanuiman>. QSL via [ClubLog's OQRS](#) (preferred) and LoTW.

-[425DXN # 1743 September 28, 2024] (1011-1025)

EA, SPAIN. Special callsigns **EG3AMCUP** (from **September 15th to October 14th**) and **AO3AMCUP** (from **October 15th to October 28th**) will be used by members of URE's Unio de Radioaficionats de Barcelona i Baix Llobregat (EA3MM) during the 37th America's Cup. A certificate will be available, see <https://www.ure.es/diploma-cq-americas-cup-2024/> for information. QSL via [EA3MM](#), LoTW, eQSL and QRZ Logbook.

-[425DXN # 1742 September 21, 2024] (0920-1101)

EA, SPAIN. Special event station **EG2AMCUP** is QRV until **October 29th** during the 37th America's Cup being held in Barcelona. QSL via [EA3MM](#), [ClubLog's OQRS](#), LoTW.

-[ARRL DX Bulletin # 35 September 19, 2024] (0920-1101)

F, FRANCE. To commemorate the 80th anniversary of the liberation of Wingles during WWII (September 2, 1944), the local radio club (F4KLR) will be active as **TM8ØLW** on **August 31st, September 2nd and for another 13 days until November 9th**. All SSB and CW QSOs will be confirmed automatically via the bureau and eQSL; FT8 QSOs will be confirmed via eQSL.
-[425DXN # 1738 August 24, 2024] (0830-1108)

FG, GUADELOUPE. Philippe, F1DUZ, will be active as **FG4KH** from **October 22nd to November 6th**. For the CQ WW DX SSB Contest (October 26th-27th) he will be joined by M5RIC, GW4XUM, K1XX, and W1MD using the contest callsign **TO2X**. QSL via LoTW, eQSL, or via F1DUZ.
-[DXNL # 2428 October 16, 2024] (1018-1108)

FO, FRENCH POLYNESIA. Fred, DH5FS will be active as **FO/DH5FS** from French Polynesia from **October 4th-23rd** as follows:

- October 4th-11th Manihi (OC-131)
- October 11th-18th Rangiroa (OC-066)
- October 18th-23th Tikehau (OC-066)

He will operate CW and FT8 on 20-10 meters. Updates will be posted to <https://mastodon.radio/@dh5fs>. QSL via [DH5FS](#).
-[425DXN # 1744 October 5, 2024] (1004-1025)

FR, REUNION I. Stephane, F5UOW will be active holiday style as **FR/F5UOW** from Reunion Island (AF-016) on **October 9th-28th**. He will operate CW only on 17-10 meters. QSL only via LoTW.
-[425DXN # 1743 September 28, 2024] (1004-1101)

GM, SCOTLAND. Special event station **GB2ZL** (Scotland) will operate CW only on **October 1st-28th** to mark the 100th anniversary of the first amateur radio contact between Great Britain and New Zealand (October 18, 1924). See <https://www.qrz.com/db/GB2ZL> for more information. QSL via LoTW only.
-[425DXN # 1742 September 21, 2024] (0927-1101)

HL, SOUTH KOREA. Members of the Korean Amateur Radio League (KARL) will be active as **HL24KARL** on **October 20th** during the KARL Field Day. All QSOs will be confirmed automatically via the bureau and LoTW.
-[425DXN # 1745 October 12, 2024] (1018-1025)

HR, HONDURAS. K1XM, K2TR, KQ1F, N2WQ and W1UE will participate in the CQ WW DX SSB Contest (October 26th-27th) as **HQ9X** from Roatan Island (NA-057), Honduras. They will be there on **October 19th-29th**, with "some operation" also from **October 29th until November 15th**. QSL via [KQ1E](#).
-[425DXN # 1746 October 19, 2024] (1018-1115)

HS, THAILAND. Special event station **HS19IARU** will be active from **October 12th to November 10th** for the 19th IARU Region 3 Conference to be hosted in Bangkok by the Radio Amateur Society of Thailand (November 4th-8th, <https://www.iarur3conf2024.org>). QSL via LoTW and [ClubLog's OQRS](#).
-[425DXN # 1745 October 12, 2024] (1011-1115)

I, ITALY. The United Nations Global Service Centre ARC (4U1GSC) in Brindisi is active again as **4U24OCT** until the end of October. The special callsign marks United Nations Day (October 24). DXCC wise, it counts for Italy. QSL via [9A2AA](#).
-[425DXN # 1746 October 19, 2024] (1018-1101)

I, ITALY. Special callsign **II6PRES** will be in use from **October 12th to 27th** to celebrate the 50th anniversary of ARI San Benedetto del Tronto (IQ6SB). QSL via [IK6XEJ](#).
-[425DXN # 1745 October 12, 2024] (1011-1101)

I, ITALY. Members of ARI Bologna will be active as **II4RCDN** from **October 1st to December 31st**. The special callsign marks the 60th Anniversary of the Northern Cross Radio Telescope, one of the largest transit radio telescopes in the world. Gianfranco Sinigaglia (I4BBE, SK), after whom the Bologna ARI Section is named, was a professor of radioastronomy and applied electronics at the Physics Institute of Bologna University, and responsible for the electronics of the Northern Cross. A certificate will be available, see <https://www.qrz.com/db/II4RCDN> for information. QSL via [IZ4FUE](#).
-[425DXN # 1744 October 5, 2024] (1004-1025)

I, ITALY. Celebrating the 100th anniversary of the start of regular radio broadcasting in Italy (October 6, 1924), ARI local branches across Italy will be using special callsigns from **October 1st to December 29th**. The callsigns will be in the format **II#Rxyz** (e.g. II9RCAT for ARI Catania) and **IR#Rxyz** (e.g. IR1RVDB for ARI Valbormida). In addition, special event station **I1MRTV** will be active from the RAI Radio and Television Museum in Torino. Certificates and electronic QSLs will be available for download from the HamAward platform (direct link from each special callsign's qrz.com page).
-[425DXN # 1743 September 28, 2024] (0927-1227)

J6, ST. LUCIA. Steve, NY3B will be active again as **J68SS** from St Lucia (NA-108) on **October 22nd-29th**. He will be one of the J62K operators during the CQ WW DX SSB Contest (October 26th-27th). QSOs will be uploaded also to ClubLog, eQSL and QRZ Logbook. QSL via [NY3B](#) and LoTW.
-[425DXN # 1746 October 19, 2024] (1018-1101)

J6, ST. LUCIA. Watch for **J68HZ** (K9HZ), **J68CN** (WØCN), **J68KC** (WA4PGM), **J68SS** (NY3B), and **J69DS** to be active on Saint Lucia (NA-108) from **October 21st to 27th** as **J62K**. They will operate in the CQ WW DX SSB Contest (October 26th-27th). QSL J62K via LoTW (preferred) or direct to [K9HZ](#).
-[DXNL # 2428 October 16, 2024] (1018-1101)

J8, ST. VINCENT. Special event call sign **J8AA** is active until **January 31, 2025**, for contest activity. Look for Franco, J88BTI who will be QRV as J8AA as a Single Op/All Band, except 160 meters, entry in the Oceania DX SSB contest (October 5th-6th). QSL via [EA5GL](#).
-[ARRL DX Bulletin # 37 October 3, 2024] (1004-1025)

JA, JAPAN. Take, JI3DST is active as **JS6RRR** from Miyako Island (AS-079) until **November 25th**, including activity during the CQ WW DX SSB and CW contests. Other callsigns to be used are **JI3DST/6**, **JJ5RBH/6** and **JR8YLY/6** on CW and SSB, as well as **JI3DST/p**, **JJ5RBH/p** and **JR8YLY/p** on FT8. QSOs will be made available for ClubLog and LoTW Matching on the IOTA website.
-[425DXN # 1744 October 5, 2024] (1004-1129)

JD1/O, OGASAWARA. Koutarou, JP1IHD will be QRV as **JD1BQP** from Chichijima Island (AS-031) from **October 21st to November 3rd**. Activity will be on 15 to 6 meters using SSB, FT8, and FT4. This includes an entry in the upcoming CQ WW DX SSB contest (October 26th-27th). QSL direct to [JP1IHD](#).
-[ARRL DX Bulletin # 39 October 17, 2024] (1018-1108)

K, UNITED STATES. The Radio Club of Tacoma invites everyone to watch for the elusive Bigfoot, whose presence on the bands is via special event stations **W7B**, **W7I**, **W7G**, **W7F**, **W7O**, and **W7T** from **October 17th to 20th**. Awards are available as well, beginning with just one contact with one of these stations, a Big Stomp endorsement for repeated contacts on different days, and a Full Stomp endorsement for working all stations. For details, see <https://www.qrz.com/db/W7B>.
-[DXNL # 2428 October 16, 2024] (1018-1025)

KHØ, MARIANA IS. Harry, JG7PSJ will be active holiday style as **WHØRU** from Saipan, Mariana Islands (OC-086) on **October 11th-20th**. He will operate CW, SSB and RTTY on 40-10 meters. QSL via LoTW, or direct to [JG7PSJ](#).
-[425DXN # 1744 October 5, 2024] (1011-1025)

PA, NETHERLANDS. Volker, DL1WH will be active holiday style as **PA/DL1WH/p** from Ameland Island (EU-038) on **October 12th-26th**. He will operate CW and some SSB. QSL via [DL1WH](#).
-[425DXN # 1744 October 5, 2024] (1011-1025)

PA, NETHERLANDS. Special callsign **PH8ØLIB** will be in use from various locations from **September 11th until November 10th** to commemorate the 80th anniversary of the liberation of southern Netherlands in the autumn of 1944. Activity will be on 80-10 meters SSB, CW and digital modes. See <https://www.qrz.com/db/PH8ØLIB> for detailed information. QSL via the bureau.
-[425DXN # 1740 September 7, 2024] (0906-1108)

PJ7, SINT MAARTEN. Ed, N2HX, plans to put Sint Maarten (NA-105) on the air from **October 20th to December 27th** as **PJ7PL**, including the CQ WW DX SSB Contest (October 26th-27th), the CQ WW DX CW Contest (November 23rd-24th) and ARRL 10-Meter Contest (December 14th-15th). QSL via

N2HX.

-[DXNL # 2428 October 16, 2024] (1018-1227)

PY, BRAZIL. Team **ZW8C** will be active from Santa Isabel Island (SA-025) on **October 17th-19th**. They will operate SSB, CW and FT8 on 80-6 meters, plus SSB, FM and FT8 on 144 MHz and SSB on the QO-100 satellite. QSL via LoTW, PP5AA (bureau) or [PS8PL](#) (direct).

-[425DXN # 1744 October 5, 2024] (1011-1025)

PYØF, FERNANDO DE NORONHA. Ben, DA1DX (ex DL6FBL), Mark (DK2CX), Paul (DL5CW), Wolf (OE2VEL), and Renner (PY7RP) remain active as **PXØFF** from Fernando de Noronha (SA-003) **until October 21st**. QRV on 160-6m, including 60m, on CW, SSB, FT8 (MSHV). QSL via [DJ4MX](#).

-[DXNL # 2427 October 9, 2024] (1011-1025)

PZ, SURINAME. Members of the Royal Netherlands Army Signal Regiment (PI4VBD) will be active again as **PZ5JT** during the annual Jungle Warfare Training course in Suriname for **a few weeks in October-November**. The operators will be QRV in their spare time on 40, 20, 17, 15 and 10m SSB using military equipment. QSL direct to [PI4VBD](#).

-[425DXN # 1743 September 28, 2024] (1018-1122)

SV, GREECE. Special callsign **SX8ØFF** will be used from various locations (including Crete as SV9/SX8ØFF) on **October 1st-31st**. The purpose of this activity is to honor the 80 fallen Greek firefighters and aerial firefighting crews who lost their lives in the line of duty. QSL via LoTW, eQSL and QRZ Logbook; paper cards will not be available.

-[425DXN # 1743 September 28, 2024] (0927-1101)

SV5, DODECANESE. The Dodecanese Radio Amateur Association (SZ5RDS) will be active as **SX5Ø2GM** on **October 18th-20th** to highlight the presence of Fra' John T. Dunlap in Rhodes, which marks the first official visit of a Grand Master of the Order of Malta to the island since 1522. QSL via LoTW only.

-[425DXN # 1745 October 12, 2024] (1018-1025)

SV9, CRETE. Christian, OE3DEC, signs **SV9/OE3DEC** from near Heraklion from **October 18th to 26th**.
-[DXNL # 2428 October 16, 2024] (1018-1025)

TA, TURKEY. Special event station **TC1Ø1TC** is QRV **until October 29th** to commemorate the founding of the Turkish republic 101 years ago. QSL via LoTW.

-[ARRL DX Bulletin # 39 October 17, 2024] (1018-1101)

TI9, COCOS I. Sources report that Jose, TI2JJP, is currently active from Cocos Island (NA-012) as **TI9/TI2JJP**. During an early period of FT8 operation he erroneously signed TI9/I2JJP and is working on correcting that mistake. So far, he has been active on 10m.

-[DXNL # 2428 October 16, 2024] (1018-1108)

UA, EUROPEAN RUSSIA. Oleg, RD1A, is a member of the Severnyy Polyus crew and will drift freely around the Arctic until September 2025 and operate as **RI42SP**. The vessel's exact position can be tracked here: https://goradar.ru/vessels_map.php?imo=273295970
-[DXNL # 2427 October 9, 2024] (1011-1101)

V4, ST. KITTS & NEVIS. Gary, GØFWX will be active again as **V47FWX** from St Kitts (NA-104) on **October 16th-23rd**. QSL via [MØURX's OQRS](#).

-[425DXN # 1746 October 19, 2024] (1018-1025)

V4, ST. KITTS & NEVIS. Yuri, VE3DZ will be active as **V4/VE3DZ** from St. Kitts (NA-104) from **October 23rd to November 3rd**. He will participate in the CQ WW DX SSB Contest (October 26th-27th) as V48K. QSL via LoTW, [ClubLog's OQRS](#), or via [VE3DZ](#).

-[425DXN # 1745 October 12, 2024] (1018-1108)

V5, NAMIBIA. Gunter, DK2WH is QRV as **V51WH** from Omaruru **until November 12th**. Activity is on 160 to 10 meters, including 60 meters, using SSB, FT8, and possibly CW. He will be active as **V55Y** in various contests. QSL to [DK2WH](#).

-[ARRL DX Bulletin # 35 September 19, 2024] (0920-1115)

V7, MARSHALL IS. Don, KW7R is QRV as **V73KW** until September 2025. Activity is in his spare time on the HF bands using mostly CW and FT8. QSL via LoTW.

-[ARRL DX Bulletin # 39 October 17, 2024] (1018-1108)

VE, CANADA. Andy, VE1ANF will be active as **VE1ANF/9** from Lameque Island (NA-068) on October 18th-20th. QSL via [ClubLog's QRSS](#), LoTW, or [VE1ANF](#).

-[425DXN # 1746 October 19, 2024] (1018-1025)

VK9N, NORFOLK I. Nick, VK2DX is QRV as **VK9DX** and has been active on 10 meters using SSB around 0845 to 0915z. QSL to [VK2DX](#).

-[ARRL DX Bulletin # 37 October 3, 2024] (1004-1025)

VP2M, MONTSERRAT. K2DM as **VP2MDM**, NØSMX as **VP2MMX** and ND8L as **VP2MMM** will be active from Montserrat (NA-103) on October 23rd-28th. They will participate in the CQ WW DX SSB Contest (October 26th-27th) as **VP2MDM**. Outside the contest they will operate "a lot of FT8/FT4 and a bit of CW" using their individual callsigns. QSL via LoTW, or direct to [K2DM](#).

-[425DXN # 1745 October 12, 2024] (1018-1101)

VU, INDIA. Ajay, VU3FYK is QRV as **AU2JOTA** until October 20th with a group of scouts for Jamboree On The Air. QSL via operators' instructions.

-[ARRL DX Bulletin # 39 October 17, 2024] (1018-1025)

VU, INDIA. Special event station **AT78I** is QRV until November 13th to celebrate 78 years of independence for India. Activity is on the HF bands using CW and SSB. QSL via [VU2JOS](#).

-[ARRL DX Bulletin # 31 August 22, 2024] (0823-1115)

XV, VIET NAM. Callsign **3W3B** went QRT permanently on October 10th. "After 14 years of fun it was time to renew my license to comply with new Government Regulations", Bruce says. His new callsign is **XV9B**, but his QSL routes remain unchanged: via LoTW (preferred), or via [E21EIC](#).

-[425DXN # 1745 October 12, 2024] (1011-1025)

YJ, VANUATU. Chris, VK2YUS will be QRV as **YJØCA** from Efate Island (OC-035) from October 23rd to November 4th. Activity will be on 40 to 10 meters using SSB. This includes an entry in the upcoming CQ WW DX SSB contest (October 26th-27th). QSL direct to [VK2YUS](#).

-[ARRL DX Bulletin # 39 October 17, 2024] (1018-1108)

YJ, VANUATU. Team **YJØVV** (namely N4VGE, K4QQG, K1NZ and K2SAV) will be active from Efate (OC-035), Vanuatu on October 16th-29th. They will operate SSB, CW and digital modes (also FT8 SuperFox) on 160-6 meters with two high power stations and a choice of seven antennas and will participate in the CQ WW DX SSB Contest (October 26th-27th). QSOs will be uploaded to ClubLog and LoTW. QSL via [K4NHW](#).

-[425DXN # 1743 September 28, 2024] (1011-1101)

ZD9, TRISTAN DA CUNHA & GOUGH I. Lance, W7GJ, operating as **ZD9GJ** had dismantled and packed all his equipment on September 29th, ready to leave Tristan da Cunha on October 1st. However, adverse sea conditions have delayed his departure. "The forecast for the departure of the MV 'Lance' is now next Wednesday October 10th", he says. "I have decided to instead stay here for an additional 2-1/2 weeks until October 27th and try to return on the little MFV Edinburgh". He is rebuilding the 6m antenna and station.

-[425DXN # 1744 October 5, 2024] (1004-1025)

ZF, CAYMAN IS. Christopher, AE6Z, plans to operate with a QRP rig as **ZF2XX**, mostly on CW, from October 20th to 25th. QSL via [AE6Z](#).

-[DXNL # 2428 October 16, 2024] (1018-1025)

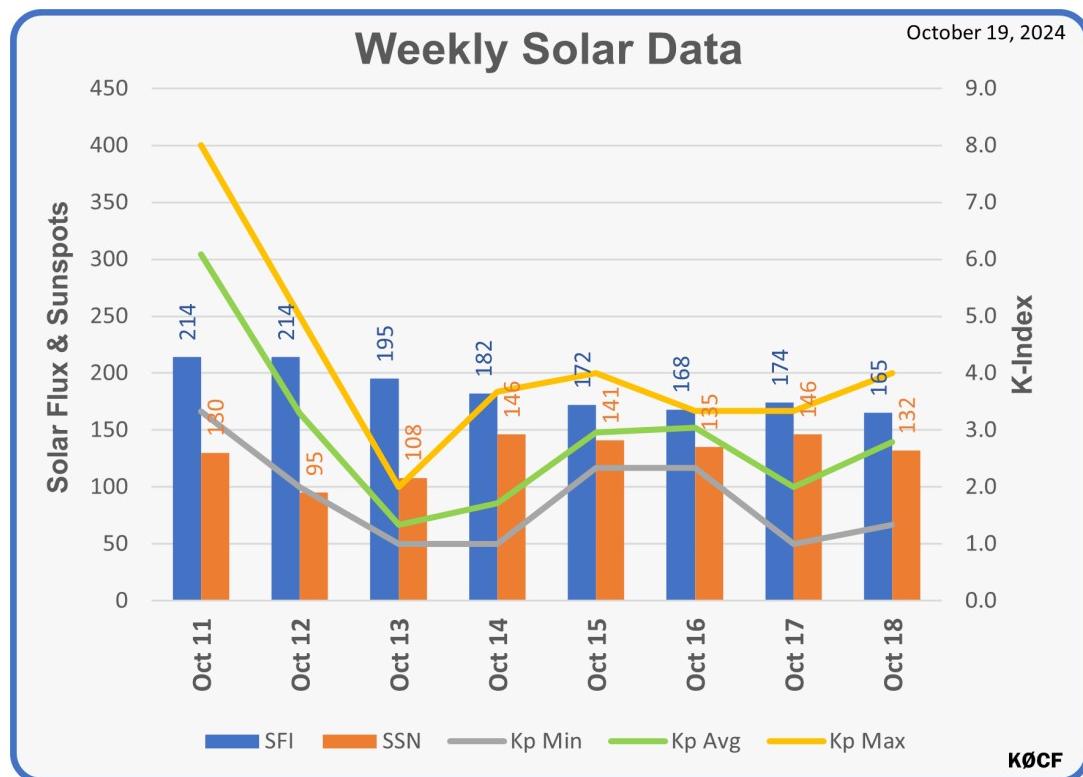
ZL, NEW ZEALAND. Special event station **ZM1ØØDX** will be QRV from September 29th to December 26th to celebrate the very first trans-world QSO between Z4AA and G2SZ. Activity will be on 160 to 6 meters using all modes. In addition, special event station **ZL4AA** will also be active for this event. QSL via operators' instructions.

-[ARRL DX Bulletin # 36 September 26, 2024] (0927-1227)

ZL7, CHATHAM IS. Holger, ZL3IO will be QRV as **ZL7DX** from **October 15th to 31st**. Activity will be on the HF bands. This includes being active as **ZL7IO** in the upcoming CQ World Wide DX SSB contest (October 26th-27th). QSL to [ZL3IO](#).

-[ARRL DX Bulletin # 38 October 10, 2024] (1011-1101)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

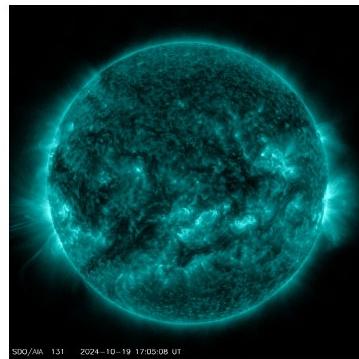
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of
the Sun at a wave-
length of 131 Angstroms.
This wavelength shows
incredible solar detail.

Click [here](#) or on the
image to view as a full
screen 48-hour video
loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, October 11th through yesterday, October 18th.

The average solar flux was 181, down 61 points from the previous week, with a weekly high of 214 on Saturday, October 12th, followed by a low of 165 on October 18th.

The average sunspot count was 129, down by 22 from last week, peaking at 146 on Thursday, October 17th after a weekly low of 95 on October 12th.

The Planetary K-index weekly average was 4.2 with a maximum of 8.0 on Friday, October 11th, resulting in severe geomagnetic storm conditions. Yesterday's K-index maximum was 4.0 with generally quiet conditions.

Solar flare activity since October 12th has been very high with 18 major flares, the largest of which was an M 6.5 event on Saturday, October 19th.

Propagation Data

Major solar flares, Saturday, October 12th through 1559 UTC, October 19th.

#	Date	UTC	Mag.
1	Oct 19	1434	M 1.7
2	Oct 19	0656	M 6.5
3	Oct 18	1938	M 4.8
4	Oct 18	1736	M 1.1
5	Oct 17	0505	M 2.4
6	Oct 16	1500	M 1.3
7	Oct 16	1442	M 1.3
8	Oct 16	1327	M 1.5
9	Oct 16	0516	M 2.8
10	Oct 16	0344	M 3.7
11	Oct 16	0319	M 3.0
12	Oct 15	1833	M 2.1
13	Oct 15	1818	M 1.7
14	Oct 15	1006	M 1.3
15	Oct 15	0227	M 1.1
16	Oct 15	0213	M 1.9
17	Oct 14	1337	M 1.8
18	Oct 14	0017	M 3.4

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Oct 18	60%	10%	170
Oct 19	60%	10%	160
Oct 20	55%	10%	165

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on October 14, 2024).

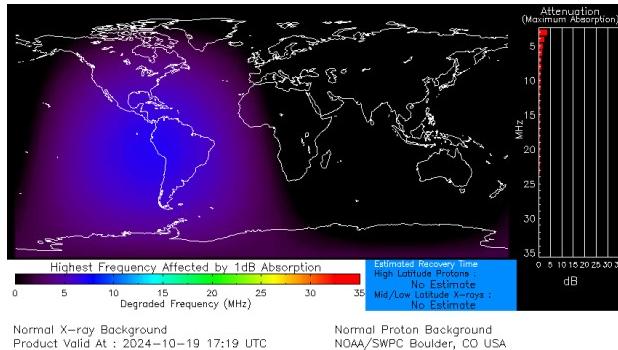
Date	Flux	Kp
Oct 19	210	2
Oct 20	210	2
Oct 21	210	2
Oct 22	215	4

Date	Flux	Kp
Oct 23	215	3
Oct 24	220	2
Oct 25	220	2
Oct 26	220	4

Date	Flux	Kp
Oct 27	225	3
Oct 28	235	2
Oct 29	245	2
Oct 30	260	2

Global D Region Absorption

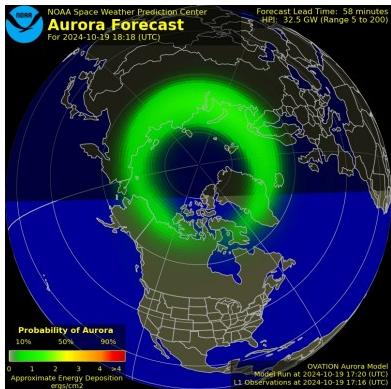
Conditions in the D-region of the ionosphere have a dramatic effect on HF communications. The D-Region Absorption map combines the effects of solar particles and photons. Yellow to red colors on the map depict increasing signal attenuation, where the bar chart at the right displays attenuation versus frequency. Click the thumbnail below for an animated map of D-Region Absorption:



The Aurora Borealis

The aurora is not only beautiful to see but can have a profound impact on HF and VHF radio propagation. For the HF operator, auroras can result in a complete shut-down of propagation. However, on VHF, auroras present interesting DX possibilities. Beam antennas are very desirable and should be pointed north, towards the aurora. Signals are reflected by "back-scatter" and will be distorted with a rough buzz. SSB is the best voice mode to use, but copy can be difficult. CW will have a rough buzzy sound but be perfectly copyable. Click the thumbnail below for an animated map of

aurora versus time:



Highs for Cycle 25

Solar Flux: 336 on August 8, 2024.

Sunspots: 382 on August 10, 2024.

Solar Max is Underway

In a joint statement on Oct. 15th, NASA and NOAA announced that [Solar Maximum is underway](#). If you saw last week's geomagnetic storm, you may have already reached the same conclusion. Good news: Solar Max is not a narrow moment in time; it is a lengthy phase of solar activity that can last for 2 or 3 years. More [aurora outbursts](#) are likely in 2024 and 2025.

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The Night When Roads in Kentucky Turned Red

The severe geomagnetic storm of Oct. 10th sparked bright auroras over many US states. Judy Lundquist photographed the display from Lawrenceburg, Kentucky; even the road at her feet turned red. But the lights overhead were, in fact, not auroras:



"It was an [SAR arc](#)," she says. "The red glow was reflected in the blacktop of our country road. It was extremely bright for this far south."

SAR arcs were discovered in 1956 at the beginning of the Space Age. At first, researchers didn't know what they were and unwittingly gave them a misleading name: "Stable Auroral Red arcs." However, they are not auroras; the red glow comes from Earth's ring current system.

Yes, [Earth has rings](#). They're made of electricity--a donut-shaped circuit carrying millions of amps around our planet. On Oct 10th, severe geomagnetic activity overheated the [ring current](#), and some of that heat leaked into the upper atmosphere, producing a red glow.

With the arrival of Solar Max, we can expect to see many more SAR arcs in the months ahead. Frequent geomagnetic storms will heat and overheat Earth's ring current, potentially changing the color of country roads near you.

[Realtime SAR arc Photo Gallery.](#)

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Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)
 NOAA <https://www.swpc.noaa.gov/>
<https://www.spaceweather.com/>
<https://www.solarham.com/>
<https://dx.qsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules

	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

Full Calendar

Contest	Start	End	Web Site
10-10 Int. Fall Contest, CW	Oct 19 0001Z	Oct 20 2359Z	Rules
New York QSO Party	Oct 19 1400Z	Oct 20 0200Z	Rules
Stew Perry Topband Challenge	Oct 19 1500Z	Oct 20 1500Z	Rules
Illinois QSO Party	Oct 20 1700Z	Oct 21 0100Z	Rules
ARRL School Club Roundup	Oct 21 1300Z	Oct 25 2359Z	Rules
CQ Worldwide DX Contest, SSB	Oct 26 0000Z	Oct 27 2400Z	Rules
Ukrainian DX Contest	Nov 2 1200Z	Nov 3 1200Z	Rules
ARRL Sweepstakes Contest, CW	Nov 2 2100Z	Nov 4 0300Z	Rules
WAE DX Contest, RTTY	Nov 9 0000Z	Nov 10 2359Z	Rules
10-10 Int. Fall Contest, Digital	Nov 9 0001Z	Nov 10 2359Z	Rules
JIDX Phone Contest	Nov 9 0700Z	Nov 10 1300Z	Rules
OK/OM DX Contest, CW	Nov 9 1200Z	Nov 10 1200Z	Rules
North American SSB Sprint Contest	Nov 10 0000Z	Nov 10 0400Z	Rules
LZ DX Contest	Nov 16 1200Z	Nov 17 1200Z	Rules
ARRL Sweepstakes Contest, SSB	Nov 16 2100Z	Nov 18 0300Z	Rules
CQ Worldwide DX Contest, CW	Nov 23 0000Z	Nov 24 2400Z	Rules
ARRL 160-Meter Contest	Dec 6 2200Z	Dec 8 1600Z	Rules
ARRL 10-Meter Contest	Dec 14 0000Z	Dec 15 2359Z	Rules
OK DX RTTY Contest	Dec 21 0000Z	Dec 21 2400Z	Rules
Croatian DX Contest	Dec 21 1400Z	Dec 22 1400Z	Rules
ARRL Rookie Roundup, CW	Dec 22 1800Z	Dec 22 2359Z	Rules
RAC Winter Contest	Dec 28 0000Z	Dec 28 2359Z	Rules
Stew Perry Topband Challenge	Dec 28 1500Z	Dec 29 1500Z	Rules
ARRL RTTY Roundup	Jan 4 1800Z	Jan 5 2400Z	Rules
ARRL Kids Day	Jan 4 1800Z	Jan 4 2359Z	Rules
YB DX Contest	Jan 11 0000Z	Jan 11 2359Z	Rules
North American QSO Party, CW	Jan 11 1800Z	Jan 12 0600Z	Rules
Hungarian DX Contest	Jan 18 1200Z	Jan 19 1200Z	Rules
North American QSO Party, SSB	Jan 18 1800Z	Jan 19 0600Z	Rules
ARRL January VHF Contest	Jan 18 1900Z	Jan 20 0359Z	Rules

-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]

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